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Acc. No.

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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

J. J. Mittmann Superintendent.

State: loal!

DESCRIPTIVE REPORT.

Hydro - Sheet No. H-3656

LOCALITY:

Bulls Stead

Pt. to The Island

1914

CHIEF OF PARTY:

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U.S. Coast and Geodetic Lenry. O. H. Tittmann, Superintendent.

Seisem Bay, California
Bar off Bulls Heeast Point and Letwee
Point Edith and East end of Rose Island,
Then no. 3/ 3656.
Fremous Moore, assistant, In Change
U. A. Levan, Receistant.

Vissel med - Herris Lamoh Armding made april 11-15. Acade Toros

7/28/14 Weisfiel and Jubel by Geof Hower No bottoms given in record. Descriptive Report to accompany Hydrographic Sheet No. 3, Suisun Bay, California, 1914.

The work shown on this sheet was done at the request of the Light House Commissioner, and includes an examination of the bar off Bulls Head Point, and of the stretch of channel from Point Edith to the East end of Roe Island. The spot shown on the chart where a "no bottom" sounding of 62 feet is shown was also examined.

The bar off Bulls Head Point has maintained its channel depth. Nineteen feet can be carried over it, as indicated on the chart. A slight increase in depth is shown in the spit Northward from the channel.

The bar North eastward from Point Edith shows the same depth as is indicated on the chart; but much greater width between the 18-foot curves.

On the chart black beacon No.3 is shown as standing on the flats in about 2 feet of water, with the 18-foot curve some 300 meters outside, (Southwest) of it. There is now over 6 feet of water at the beacon, and the 18-foot curve is only about 110 meters S.W. from it, there being no such decided southward bulge in the channel bank as is shown on the chart.

It is difficult to make an accurate comparison between the sparse soundings shown on the small scale chart and those shown on a 1/10,000 sheet; but in general the tendancy, in the stretch

of channel between Point Edith and the East end of Roe Island seems to be to preserve the depth on the bar above Point Edith, while the bar width increases. There seems to be a tendency towards an increase in depths just above the bar, with a corresponding decrease in depths up near the Roe Island Light House.

An examination of the locality where the "no bottom" at 62 feet is shown on the chart gave a maximum depth of 59 feet. It appears to me quite likely that the "no bottom" sounding resulted from stray line in the swift current at this point. The leadsman was probably taken by surprise when his lead dropped suddenly into deep water. The current runs like a mill stream at this point on the ebb tide. Our leadsman had difficulty from this cause.

Several wharves are shown in ink on the sheet, all of which were located with a plane table. The largest of these is the Smith Lumber Co's wharf at Bay Point, opposite the Roe Island Light House. This is equipped with traveling cranes, run by electric power. The longest is the oil wharf at Avon, which extends out from shore more than three quarters of a mile before reaching deep water.

Bay, as well as on the adjacent sheet (No.2) there are quite a number of changes in buildings and towns. Bay Point on this

sheet is quite a little village, and there are manufacturing establishments and oil tanks between Martinez and Bay Point which ought to be shown on the chart. I did not feel that my instructions covered shore topography, except wharves and changes in shore line, and so did not attempt any work back from the immediate shore line.

Assistant.

Fremout Morse.

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Statistics. Sheet 20.3.

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U. S. Coast and Geodetic Survey.

[Ed. 9-19-89-2,500.]
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U. S. Coast and Geodetic Survey.

[Ed. 9-19-'89--2,500.]

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HYDROGRAPHIC SHEET 3656.

Bulls Head Point to Roe Island, Suisum Bay, California, by Assistant Fremont Morse in 1914.

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